

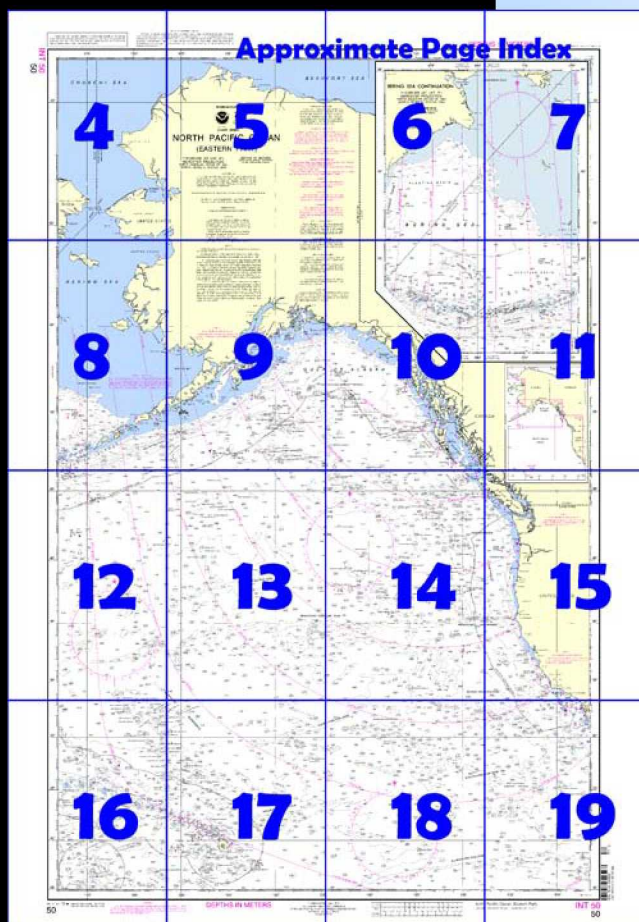
# BookletChart<sup>TM</sup>

## North Pacific Ocean – Bering Sea Continuation (NOAA Chart 50)



A reduced scale NOAA nautical chart for small boaters. When possible, use the full size NOAA chart for navigation.

- ☒ Complete, reduced scale nautical chart
- ☒ Print at home for free
- ☒ Convenient size
- ☒ Up to date with all Notices to Mariners
- ☒ United States Coast Pilot excerpts
- ☒ Compiled by NOAA, the nation's chartmaker.



*Home Edition (not for sale)*





### **What are Nautical Charts?**

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

### **What is a BookletChart™?**

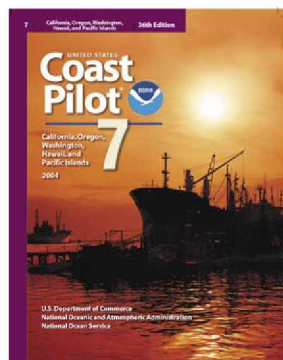
This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

### **Notice to Mariners Correction Status**

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.



#### **[Coast Pilot 7, Chapter 2 excerpts]**

##### **§922.40 Purpose.**

(65) The purpose of the regulations in this Subpart and in Subparts F through R is to implement the designations of the thirteen National Marine Sanctuaries for which site specific regulations appear in Subparts F through R, respectively, by regulating activities affecting them, consistent with their respective terms of designation in order to protect, preserve and manage and thereby ensure the health, integrity and continued availability of the

conservation, ecological, recreational, research, educational, historical and aesthetic resources and qualities of these areas. Additional purposes of the regulations implementing the designation of the Florida Keys and Hawai'ian Islands Humpback Whale National Marine Sanctuaries are found at §§922.160, and 922.180, respectively.

##### **§922.42 Allowed Activities.**

(67) All activities (e.g., fishing, boating, diving, research, education) may be conducted unless prohibited or otherwise regulated in Subparts F through R, subject to any emergency regulations promulgated pursuant to §§922.44, 922.111(c), 922.165, 922.186, or 922.196, subject to all prohibitions, regulations, restrictions, and conditions validly imposed by any Federal, State, or local authority of competent jurisdiction, including Federal and State fishery management authorities, and subject to the provisions of section 312 of the National Marine Sanctuaries Act (NMSA), (16 U.S.C. 1431 et seq.). The Assistant Administrator may only directly regulate fishing activities pursuant to the procedure set forth in section 304(a)(5) of the NMSA.

##### **§922.43 Prohibited or otherwise regulated activities.**

(68) Subparts F through R set forth site-specific regulations applicable to the activities specified therein.

##### **§922.44 Emergency Regulations.**

(69) Where necessary to prevent or minimize the destruction of, loss of, or injury to a Sanctuary resource or quality, or minimize the imminent risk of such destruction, loss, or injury, any and all such activities are subject to immediate temporary regulation, including prohibition. The provisions of this section do not apply to the Cordell Bank, Florida Keys, Hawai'ian Islands Humpback Whale, and Thunder Bay National Marine Sanctuaries. See §§922.111(c), 922.165, 922.186, and 922.196, respectively, for the authority to issue emergency regulations with respect to those sanctuaries.

##### **§922.45 Penalties.**

(70) (a) Each violation of the NMSA or FKNMSPA, any regulation in this part, or any permit issued pursuant thereto, is subject to a civil penalty of not more than \$100,000. Each day of a continuing violation constitutes a separate violation.

(71) (b) Regulations setting forth the procedures governing administrative proceedings for assessment of civil penalties, permit sanctions, and denials for enforcement reasons, issuance and use of written warnings, and release or forfeiture of seized property appear at 15 CFR part 904.

##### **§922.46 Response costs and damages.**

(72) Under section 312 of the Act, any person who destroys, causes the loss of, or injures any Sanctuary resource is liable to the United States for response costs and damages resulting from such destruction, loss or injury, and any vessel used to destroy, cause the loss of, or injure any Sanctuary resource is liable in rem to the United States for response costs and damages resulting from such destruction, loss or injury.

##### **§922.47 Pre-existing authorizations or rights and certifications of pre-existing authorizations or rights.**

(73) (a) Leases, permits, licenses, or rights of subsistence use or access in existence on the date of designation of any National Marine Sanctuary shall not be terminated by the Director. The Director may, however, regulate the exercise of such leases, permits, licenses, or rights consistent with the purposes for which the Sanctuary was designated.

(74) (b) The prohibitions listed in Subparts F through P, and Subpart R do not apply to any activity authorized by a valid lease, permit, license, approval or other authorization in existence on the effective date of Sanctuary designation, or in the case of the Florida Keys National Marine Sanctuary the effective date of the regulations in Subpart P, and issued by any Federal, State or local authority of competent jurisdiction, or by any valid right of subsistence use or access in existence on the effective date of Sanctuary designation, or in the case of the Florida Keys National Marine Sanctuary the effective date of the regulations in Subpart P, provided that the holder of such authorization or right complies with certification procedures and criteria promulgated at the time of Sanctuary designation, or in the case of the Florida Keys National Marine Sanctuary the effective date of the regulations in Subpart P, and with any terms and conditions on the exercise of such authorization or right imposed by the

Director as a condition of certification as the Director deems necessary to achieve the purposes for which the Sanctuary was designated.

# Table of Selected Chart Notes

Corrected through NM May 31/03  
Corrected through LNM May 13/03

## NOTE B

### LOCAL MAGNETIC DISTURBANCE

Differences from the normal variation of as much as 14° have been observed along the Alaska Peninsula.

## NOTE C

### LOCAL MAGNETIC DISTURBANCE

Differences of as much as 7° from the normal variation have been reported in the vicinity of 49°55' N, 129°50' W.

## NOTE E

### LOCAL MAGNETIC DISTURBANCE

Differences as great as 5° from the normal variation have been observed in the vicinity of San Clemente Island.

## ABBREVIATIONS

For Symbols and Abbreviations see Chart No. 1

## CAUTION

Submerged Submarine Operating Areas falling within the limits of the larger scale charts are shown thereon and not repeated on this chart.

## CAUTION

Danger, Prohibited, and Restricted Areas falling within the limits of the larger scale charts are shown thereon and not repeated on this chart.

## HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 do not require conversion to NAD 83 for plotting on this chart.

## RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

## POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest United States Coast Guard facility if telephone communication is impossible (33 CFR 153).

## WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See United States Coast Guard Light List and United States Coast Pilot for details.

## CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

## CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the United States Coast Guard Light Lists and United States National Imagery and Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:

○ (Accurate location)      ◐ (Approximate location)

## AIDS TO NAVIGATION

Consult United States Coast Guard Light List for supplemental information concerning aids to navigation.

See United States National Imagery and Mapping Agency List of Lights and Fog Signals for information not included in the United States Coast Guard Light List.

## PARTICULARLY SENSITIVE SEA AREA

The Particularly Sensitive Sea Area (PSSA) is indicated by a dashed green limiting line highlighted with a green screened band or by a green screened band used in conjunction with the line symbol for other limits with which the PSSA coincides. A PSSA is an environmentally sensitive area in which and around which mariners should exercise extreme caution. See U.S. Coast Pilot volumes for information regarding this area.

DOUBTFUL DATA: Reported but unconfirmed depths or dangers are indicated by an encircling dotted line.

## MAGNETIC VARIATION

Magnetic variation curves are for 2003 derived from 2000 World Magnetic Model and accompanying secular change. If annual change is in same direction as variation it is additive and the variation is increasing. If annual change is opposite in direction to variation it is subtractive and the variation is decreasing.

## AUTHORITIES

Hydrography and topography by the United States National Ocean Service, Coast Survey, with additional data from the United States National Imagery and Mapping Agency, United States Coast Guard, Canadian Hydrographic Service, and the Japanese Hydrographic Department.

## NOTE D

Maritime boundary provisionally applied pending formal exchange of instruments of ratification.

According to Article 3 of the Agreement Between the United States of America and Russia on the Maritime Boundary, signed June 1, 1990:

"1. In any area east of the maritime boundary that lies within 200 nautical miles of the baseline from which the breadth of the territorial sea of Russia is measured but beyond 200 nautical miles of the baselines from which the breadth of the territorial sea of the United States is measured ("eastern special area"), Russia agrees that henceforth the United States may exercise the sovereign rights and jurisdiction derived from exclusive economic zone jurisdiction that Russia would otherwise be entitled to exercise under international law in the absence of the agreement of the Parties on the maritime boundary...

3. to the extent that either Party exercises the sovereign rights or jurisdiction in the special area or areas on its side of the maritime boundary as provided for in this Article, such exercise of sovereign rights or jurisdiction derives from the agreement of the Parties and does not constitute an extension of its exclusive economic zone. To this end, each Party shall take the necessary steps to ensure that any exercise on its part of such rights or jurisdiction in the special area or areas on its side of the maritime boundary shall be so characterized in its relevant laws, regulations, and charts."

## VESSEL TRAFFIC SERVICE

Recommended traffic lanes established in Prince William Sound are shown on NOS charts 16707, 16708, 16709 and 16700.

## VESSEL TRANSITING

The U.S. Coast Guard and the Pacific States/British Columbia Oil Spill Task Force endorse a system of voluntary measures and minimum distances from shore for certain commercial vessels transiting along the coast anywhere between Cook Inlet, Alaska and San Diego, California. See U.S. Coast Pilot 7, 8 or 9, Chapter 3 for details.

## VESSEL TRAFFIC SERVICE

Recommended traffic lanes established for approaches to San Francisco Bay are shown on charts 18645, 18680 and 18640.

Recommended traffic lanes established in Santa Barbara Channel are shown on charts 18740 and 18720.

Recommended traffic lanes established for approaches to the Strait Juan De Fuca are shown on charts 18480, 18400 and 18465.

## CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Imagery and Mapping Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner.

International boundaries are approximate and are shown thus: + + + + + + + +

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

1:10,000,000 (AT LAT. 0°)  
MERCATOR PROJECTION  
NORTH AMERICAN DATUM OF 1983  
(WORLD GEODETTIC SYSTEM 1984)

DEPTHS IN METERS  
Depth Contour Interval 1000 meters  
(Under 1000 at 200 meters)

## PRINT-ON-DEMAND CHARTS

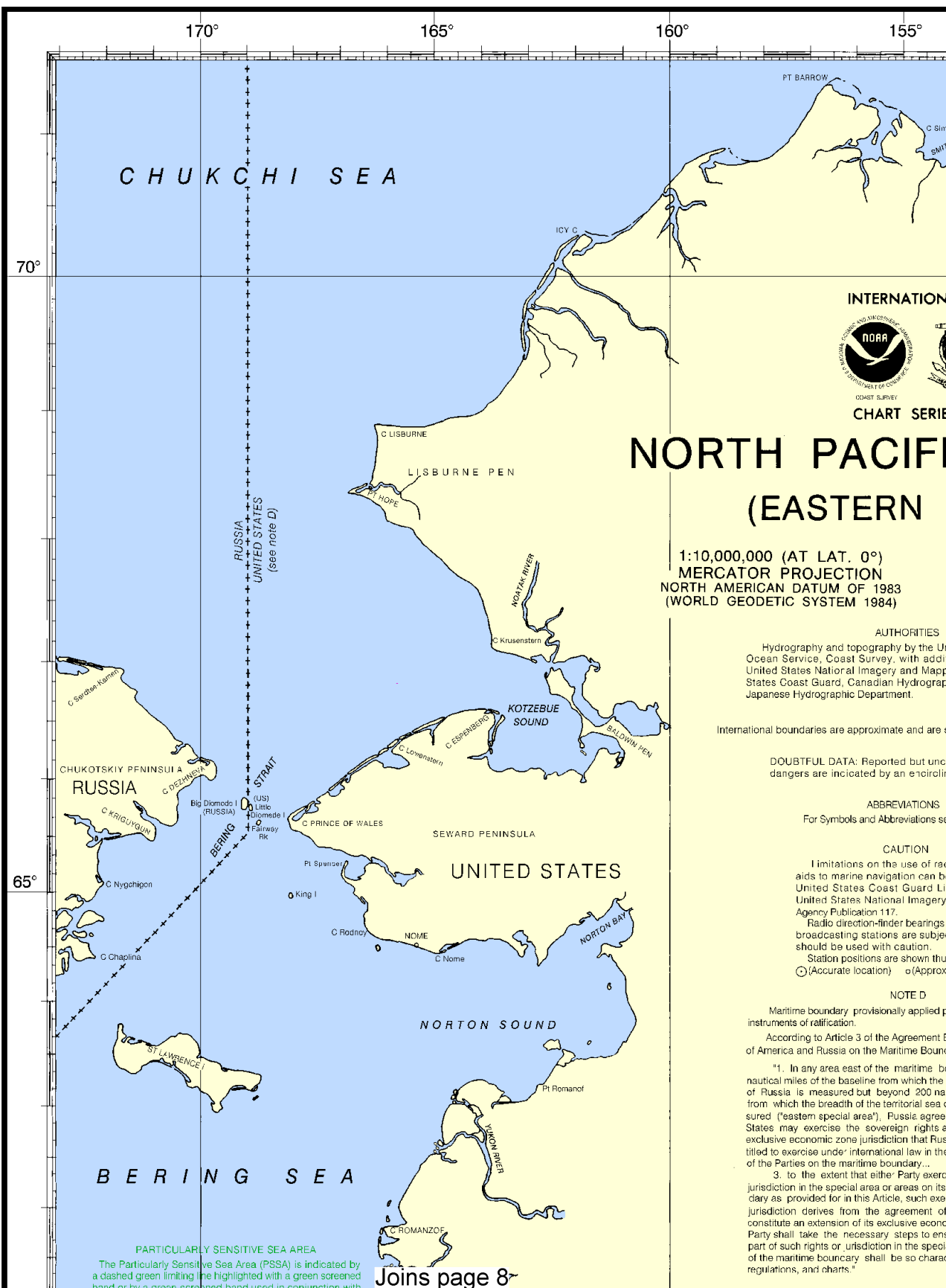
NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, <http://NauticalCharts.gov>, [help@NauticalCharts.gov](mailto:help@NauticalCharts.gov), or OceanGrafix at 1-877-56CHART, <http://OceanGrafix.com>, or [help@OceanGrafix.com](mailto:help@OceanGrafix.com).

# NORTH PACIFIC OCEAN

## (EASTERN PART)

and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4583, <http://NauticalCharts.gov>, [help@NauticalCharts.gov](mailto:help@NauticalCharts.gov), or OceanGrafix at 1-877-56CHART, <http://OceanGrafix.com>, or [help@OceanGrafix.com](mailto:help@OceanGrafix.com).

INT 50

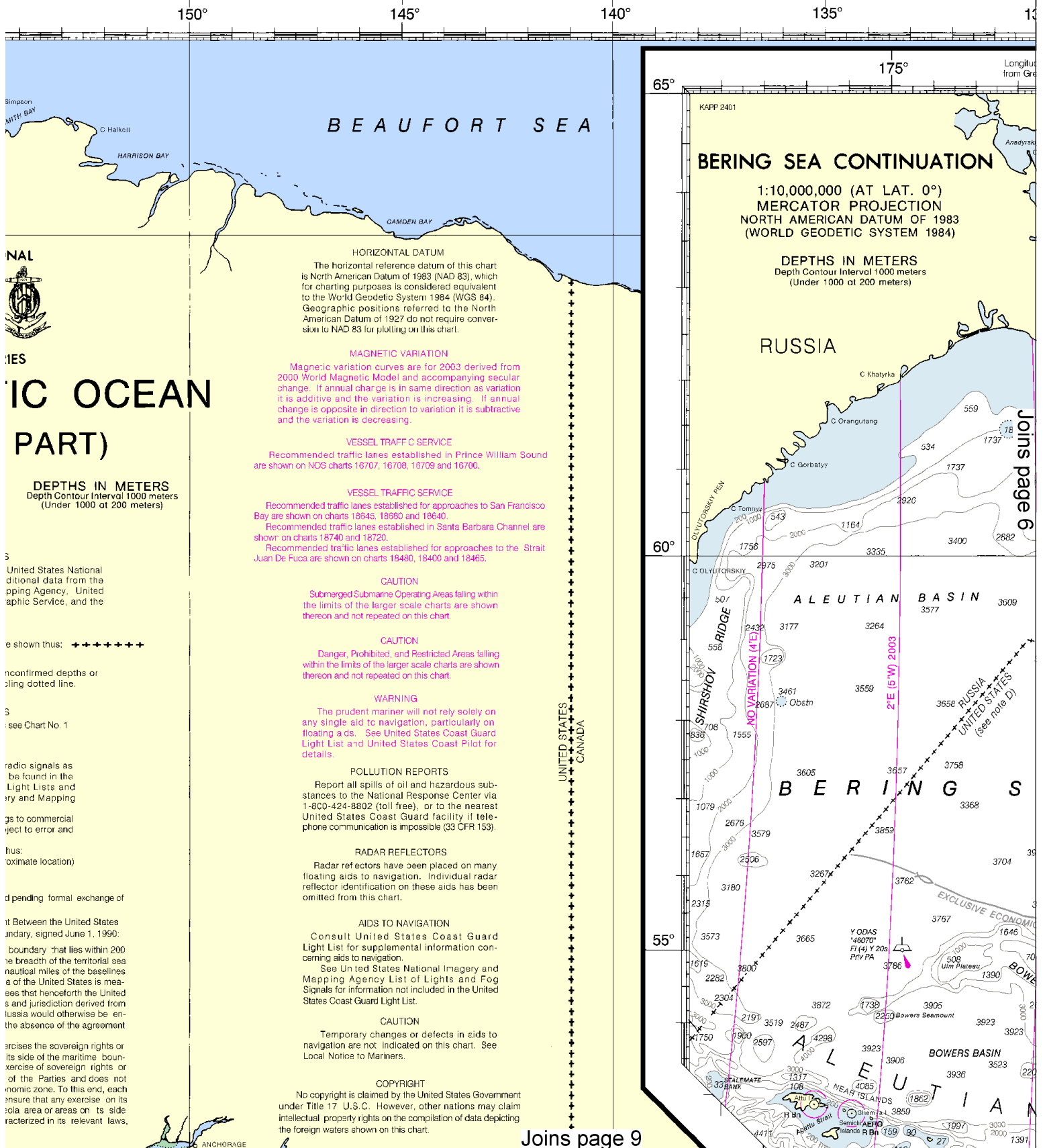


Joins page 8

4



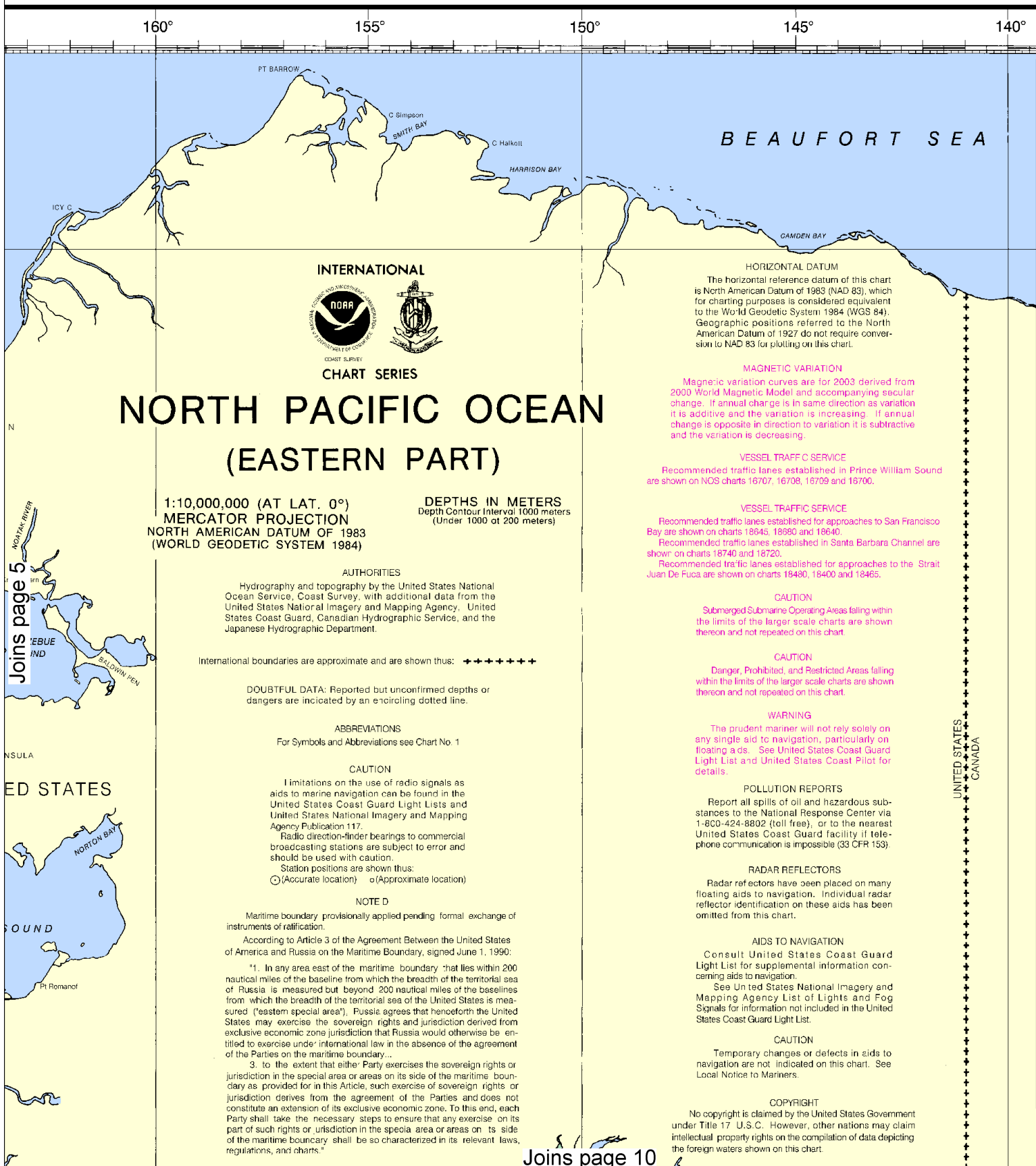




This BookletChart was reduced to 75% of the original chart scale.

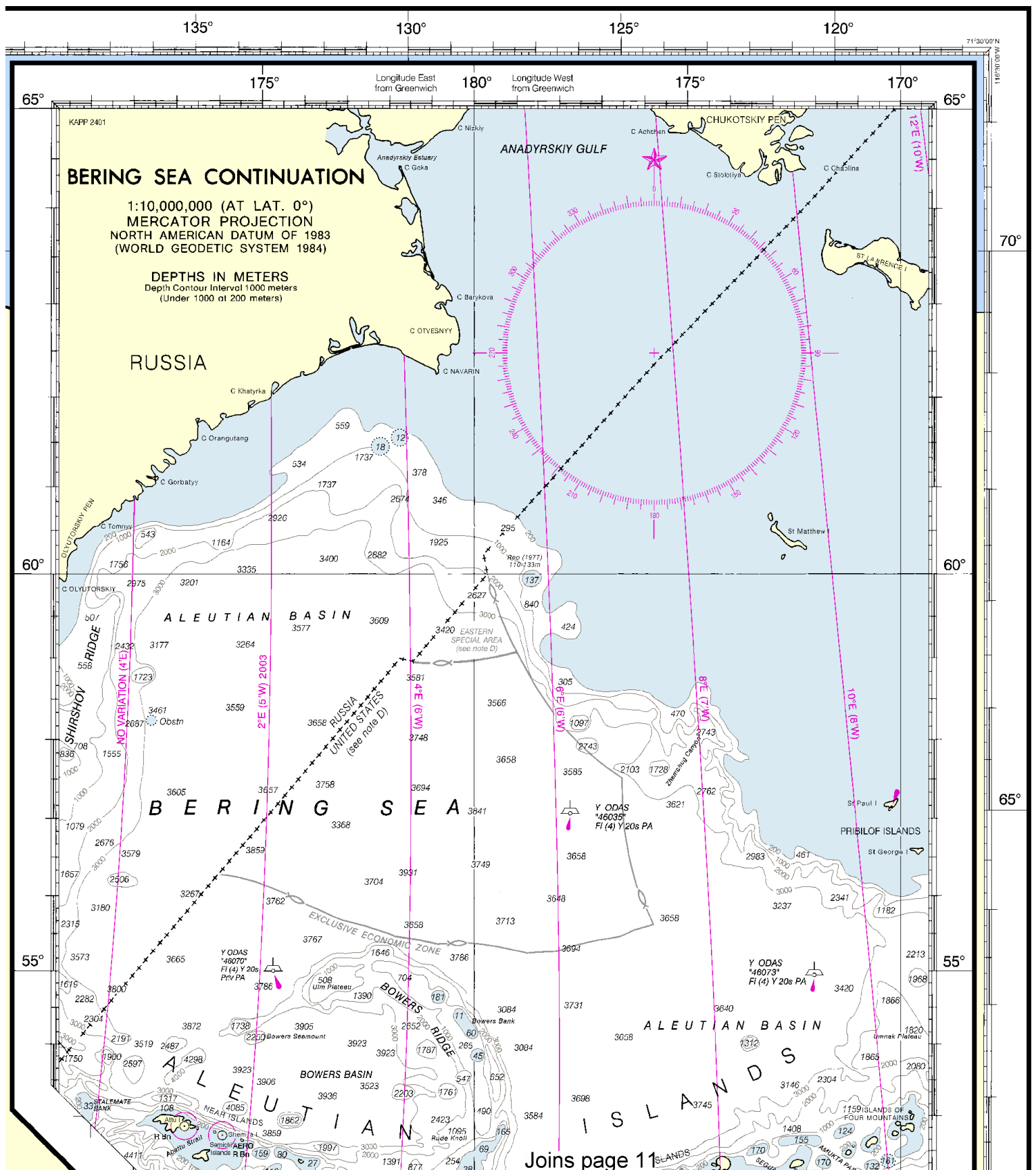
The new scale is 1:13333333. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.

5



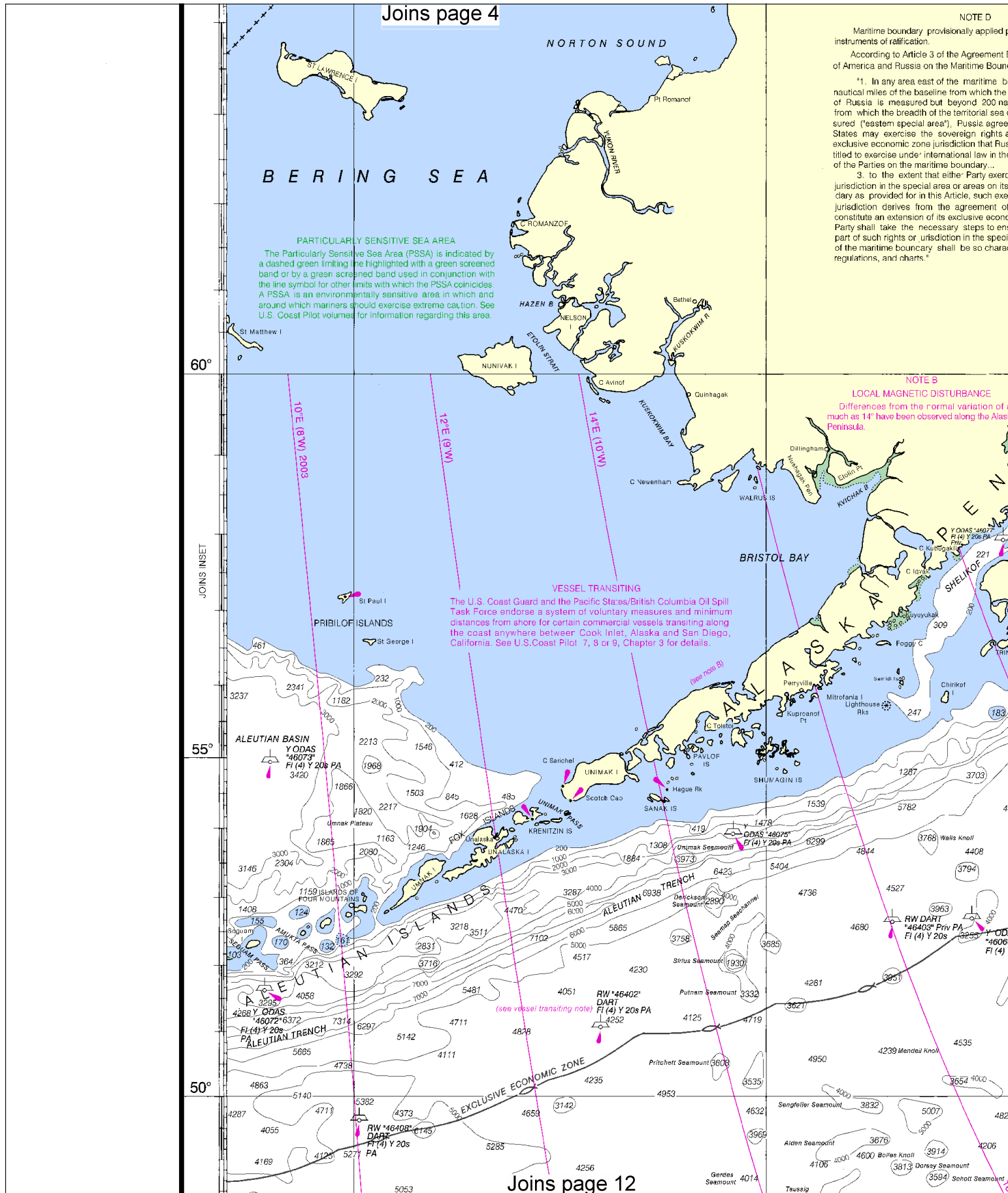
# DEPTHS IN METERS

Nautical Chart Catalog No. 2, Panels B, C and No. 3, Panels M, N



This BookletChart has been updated with: Coast Guard Local Notice To Mariners: 0309 1/20/2009,  
 NGA Weekly Notice to Mariners: 0509 1/31/2009,  
 Canadian Coast Guard Notice to Mariners: 0 12:00:00 AM.

7





depending formal exchange of

it Between the United States  
undary, signed June 1, 1990:  
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re breadth of the territorial sea  
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eas that henceforth the United  
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the absence of the agreement

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its side of the maritime bound-  
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insure that any exercise on its  
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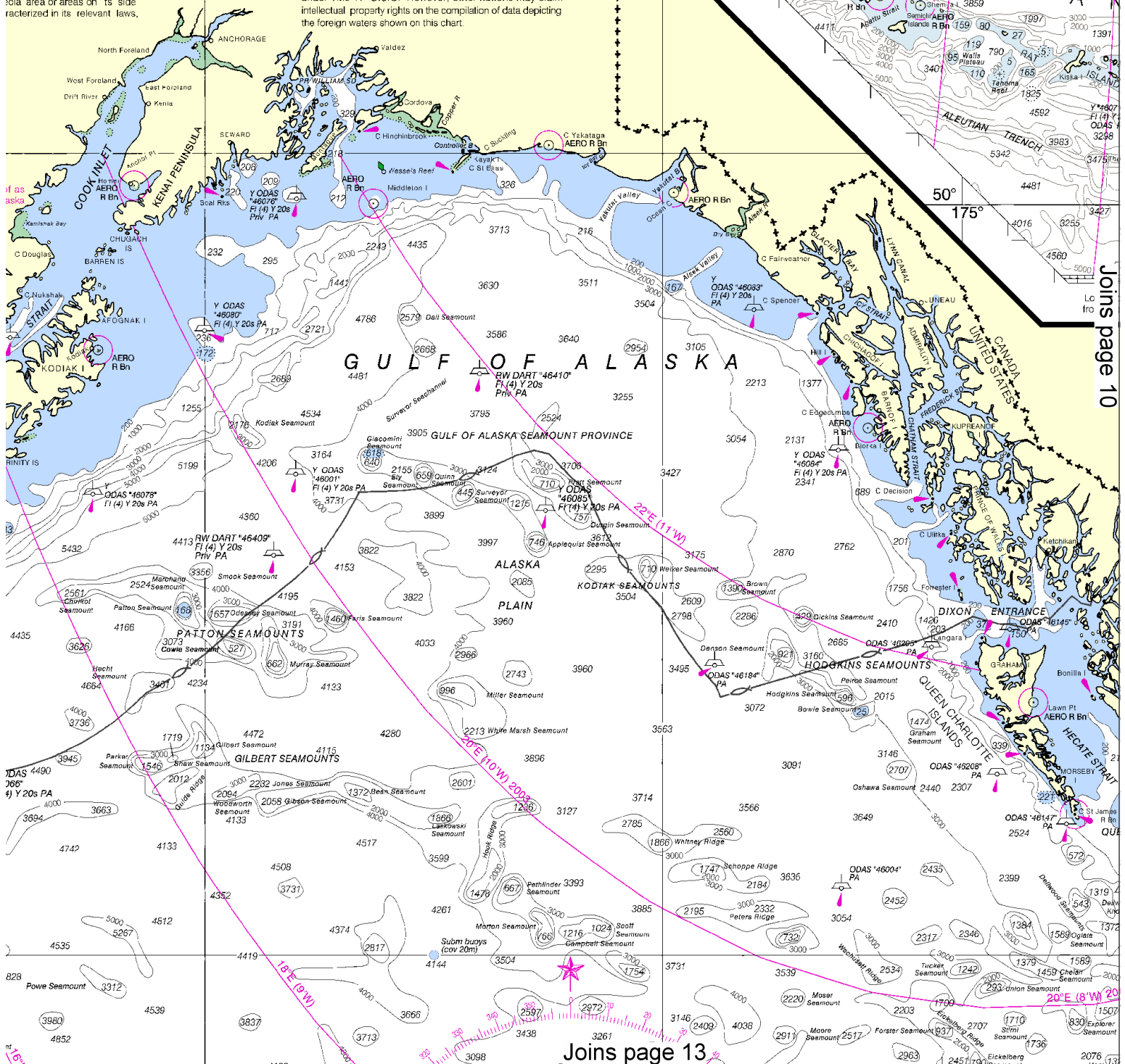
floating aids to navi-  
reflector identification  
omitted from this chart.

Joins page 5

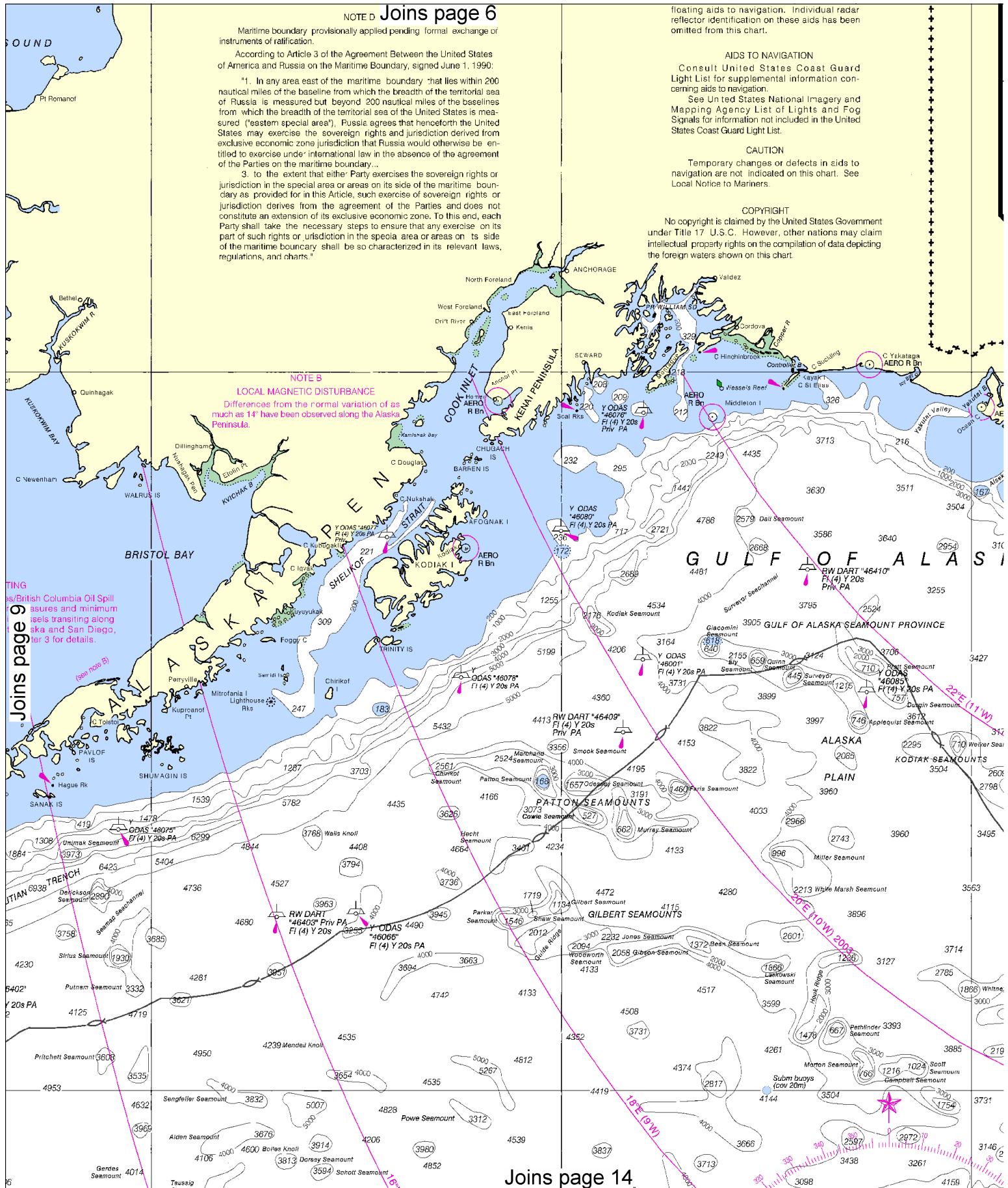
**AIDS TO NAVIGATION**  
Consult United States Coast Guard  
Light List for supplemental information con-  
cerning aids to navigation.  
See United States National Imagery and  
Mapping Agency List of Lights and Fog  
Signals for information not included in the United  
States Coast Guard Light List.

**CAUTION**  
Temporary changes or defects in aids to  
navigation are not indicated on this chart. See  
Local Notice to Mariners.

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intellectual property rights on the compilation of data depicting  
the foreign waters shown on this chart.



Joins page 13



# NOTE D Joins page 6

Maritime boundary provisionally applied pending formal exchange of instruments of ratification.

According to Article 3 of the Agreement Between the United States of America and Russia on the Maritime Boundary, signed June 1, 1990:

"1. In any area east of the maritime boundary that lies within 200 nautical miles of the baseline from which the breadth of the territorial sea of Russia is measured but beyond 200 nautical miles of the baselines from which the breadth of the territorial sea of the United States is measured ("eastern special area"), Russia agrees that henceforth the United States may exercise the sovereign rights and jurisdiction derived from exclusive economic zone jurisdiction that Russia would otherwise be entitled to exercise under international law in the absence of the agreement of the Parties on the maritime boundary...

3. to the extent that either Party exercises the sovereign rights or jurisdiction in the special area or areas on its side of the maritime boundary as provided for in this Article, such exercise of sovereign rights or jurisdiction derives from the agreement of the Parties and does not constitute an extension of its exclusive economic zone. To this end, each Party shall take the necessary steps to ensure that any exercise on its part of such rights or jurisdiction in the special area or areas on its side of the maritime boundary shall be so characterized in its relevant laws, regulations, and charts."

## NOTE B

**LOCAL MAGNETIC DISTURBANCE**  
Differences from the normal variation of as much as 14° have been observed along the Alaska Peninsula.

floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

**AIDS TO NAVIGATION**  
Consult United States Coast Guard Light List for supplemental information concerning aids to navigation.  
See United States National Imagery and Mapping Agency List of Lights and Fog Signals for information not included in the United States Coast Guard Light List.

**CAUTION**  
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

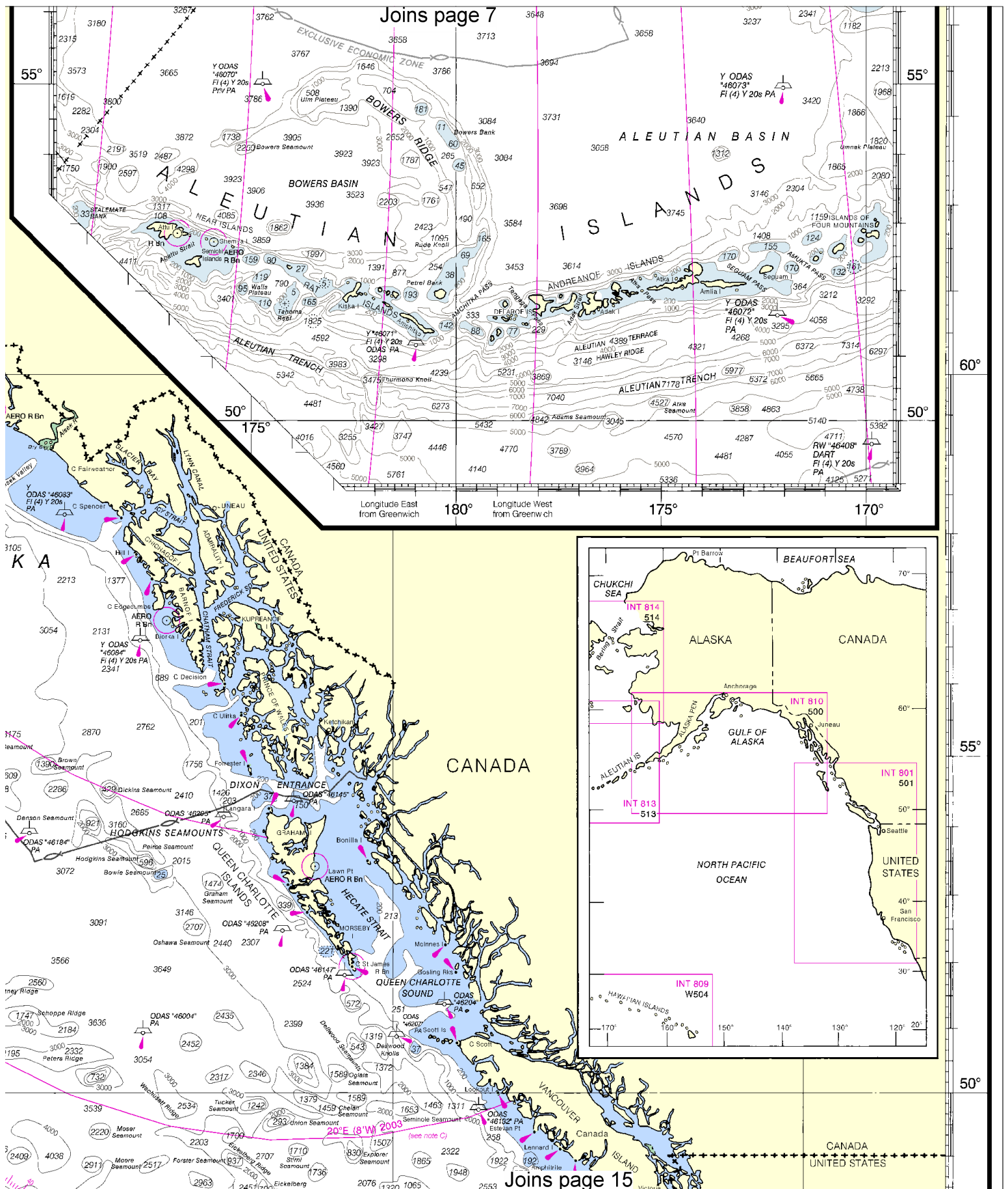
**COPYRIGHT**  
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Joins page 9  
British Columbia Oil Spill assures and minimum isles transiting along Alaska and San Diego, for 3 for details.

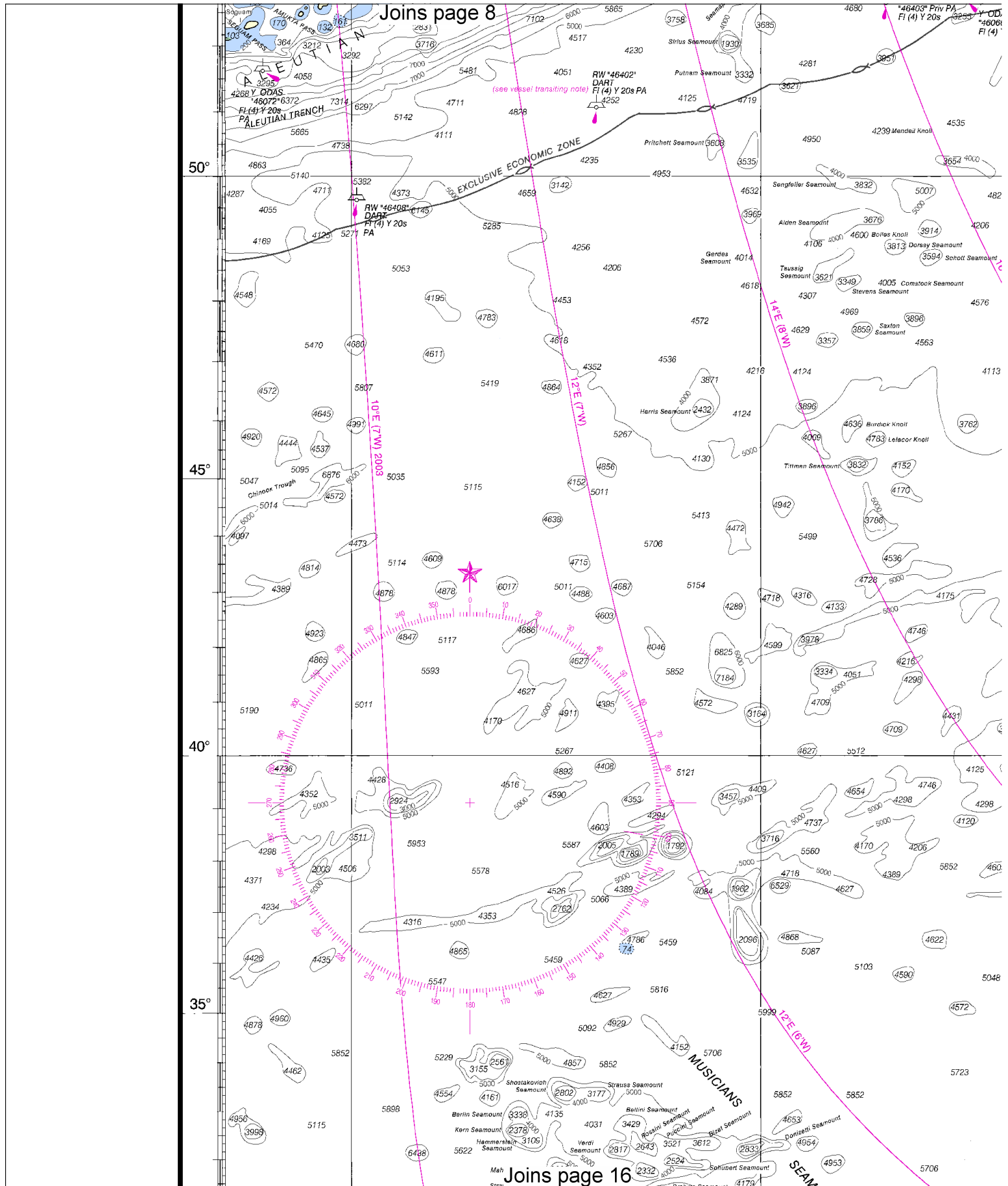
Joins page 14

10









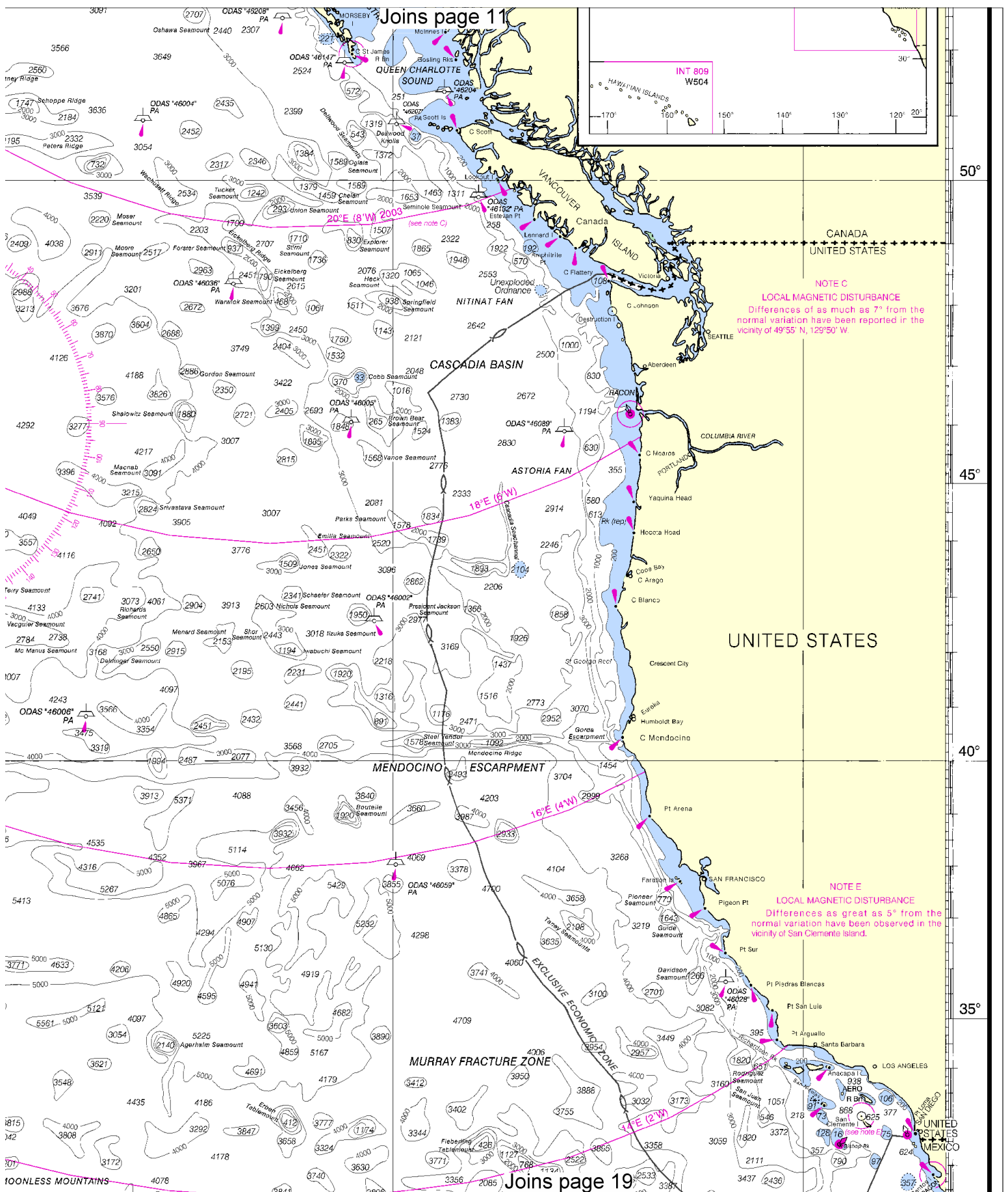
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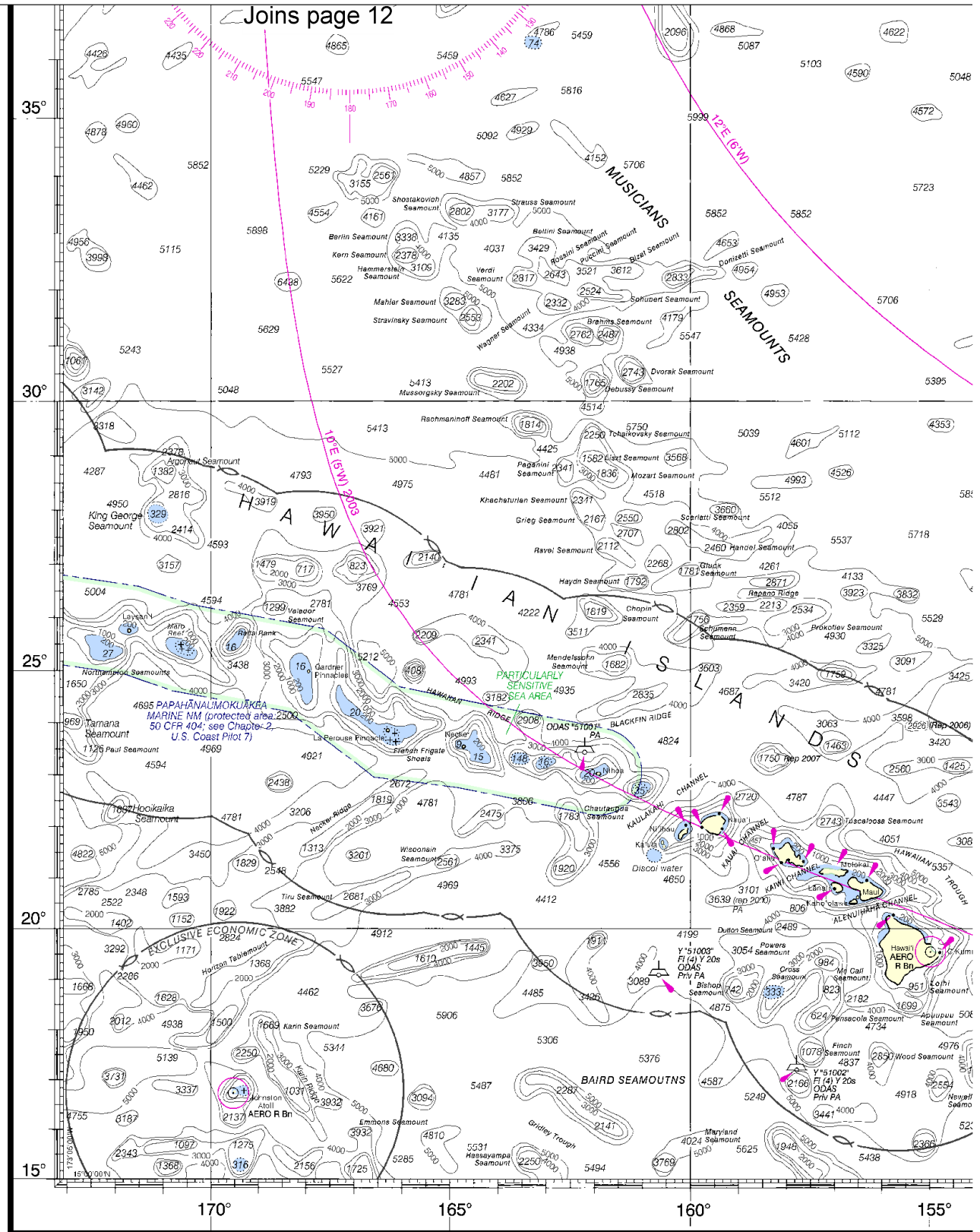








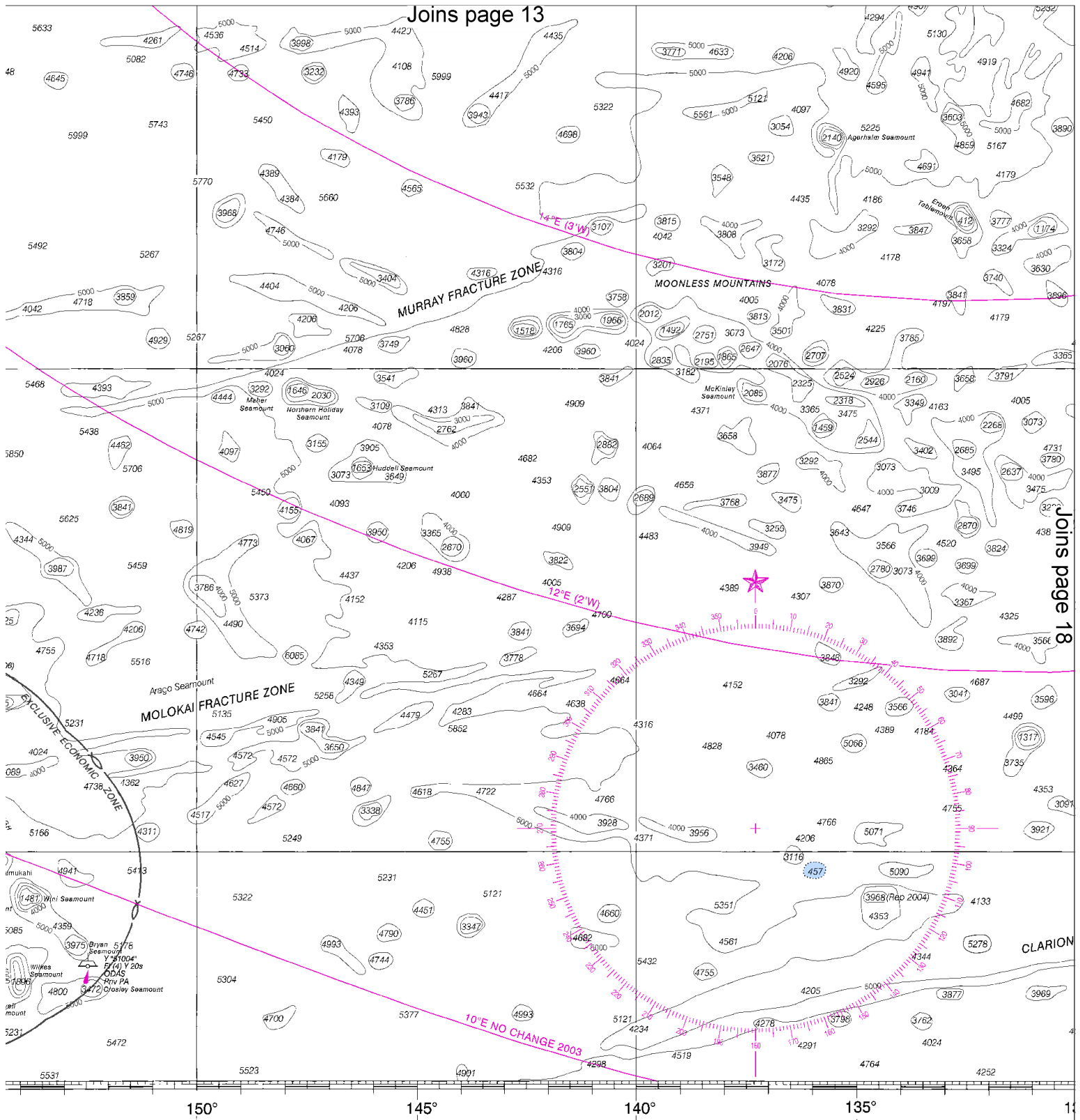
Joins page 12



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16





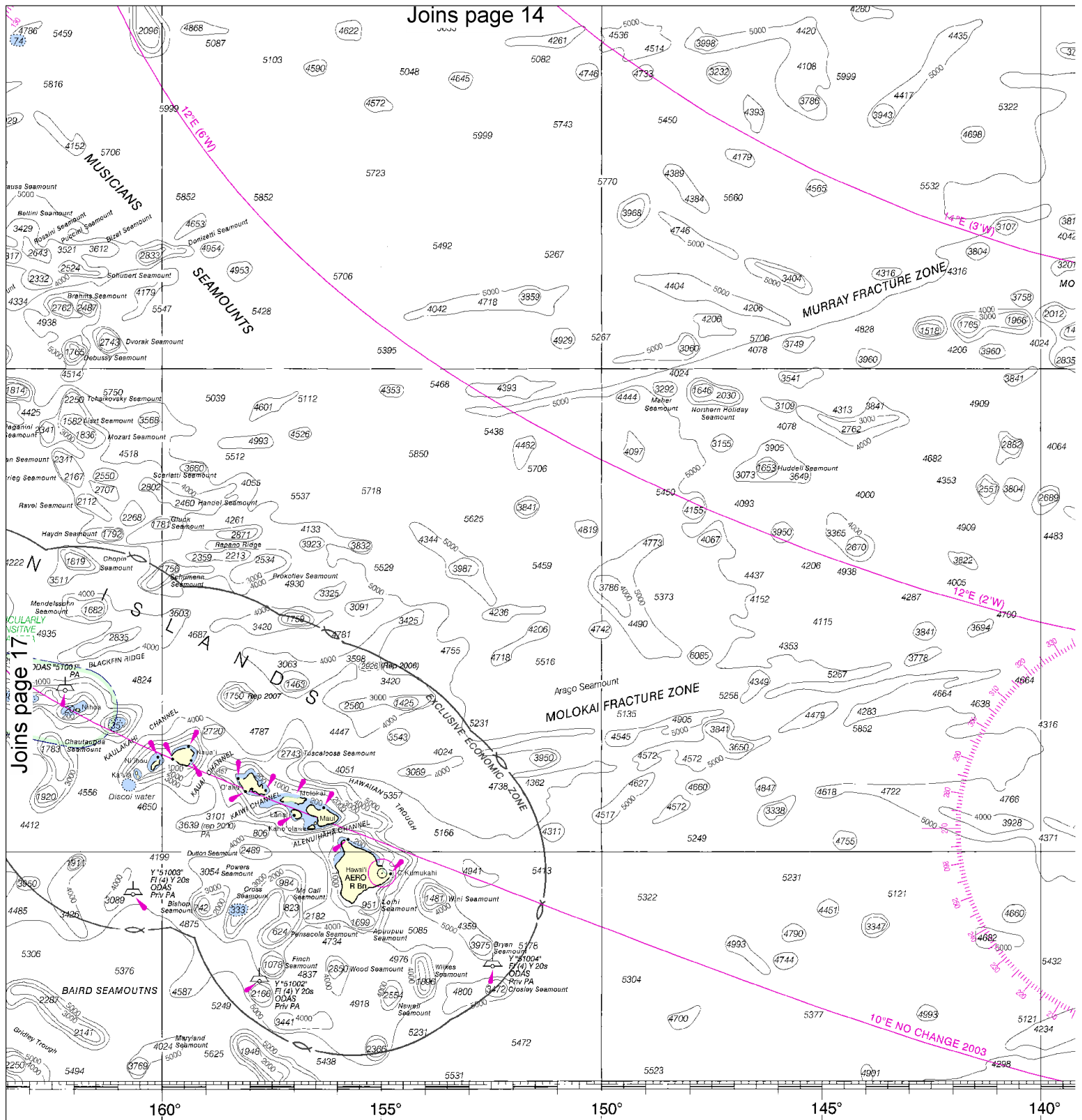
IN METERS

Published at Washington, D.C.  
U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE  
COAST SURVEY

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17



Joins page 14



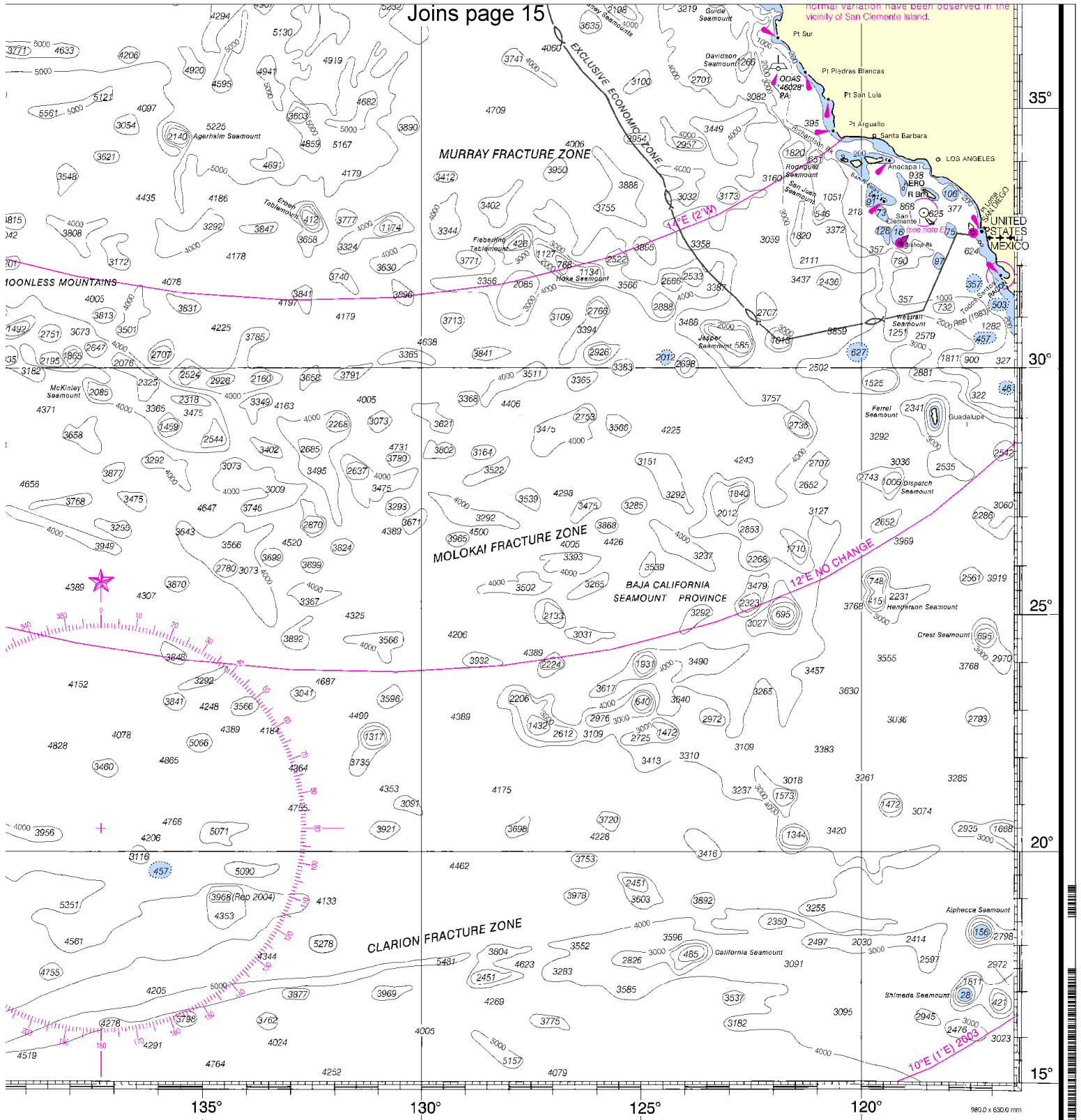
NOTICE TO MARINERS (NM) published by the National Oceanic and Atmospheric Administration (NOAA) and the Local Notice to Mariners (LNM) for each U.S. Coast Guard district to the effect.

DEPTHS IN METERS

Published at Washington, D.C.  
U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE  
COAST SURVEY

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Joins page 15



THOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

North Pacific Ocean (Eastern Part)  
DEPTHS IN METERS - SCALE 1:10,000,000 (AT LAT 0°)

INT 50  
50



## EMERGENCY INFORMATION

### VHF Marine Radio channels for use on the waterways:

**Channel 6** – Inter-ship safety communications.

**Channel 9** – Communications between boats and ship-to-coast.

**Channel 13** – Navigation purposes at bridges, locks, and harbors.

**Channel 16 – Emergency, distress and safety calls** to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.

**Channel 22A** – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

**Channels 68, 69, 71, 72 & 78A** – Recreational boat channels.

### Distress Call Procedures

1. Make sure radio is on.
2. Select Channel 16.
3. Press/Hold the transmit button.
4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
5. Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
6. Release transmit button.
7. Wait for 10 seconds – If no response Repeat MAYDAY Call.

### **HAVE ALL PERSONS PUT ON LIFE JACKETS !!**

**Mobile Phones** – Call 911 for water rescue.

**Coast Guard Search & Rescue (Pacific Coord)** – 510-437-3700

**Coast Guard Search & Rescue (RCC Juneau)** – 907-463-2000

**Canadian Coast Guard (RCC)** – 250-363-2995

**NOAA Weather Radio** – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

**Getting and Giving Help** – Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

## NOAA CHARTING PUBLICATIONS

**Official NOAA Nautical Charts** – NOAA surveys and charts the national and territorial waters of the U.S, including the Great Lakes. We produce over 1,000 traditional nautical charts covering 3.4 million square nautical miles. Carriage of official NOAA charts is mandatory on the commercial ships that carry our commerce. They are used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters. NOAA charts are available from official chart agents listed at: [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official Print-on-Demand Nautical Charts** – These full-scale NOAA charts are updated weekly by NOAA for all Notice to Mariner corrections. They have additional information added in the margin to supplement the chart. Print-on-Demand charts meet all federal chart carriage regulations for charts and updating. Produced under a public/private partnership between NOAA and OceanGrafix, LLC, suppliers of these premium charts are listed at [www.OceanGrafix.com](http://www.OceanGrafix.com).

**Official Electronic Navigational Charts (NOAA ENC<sup>®</sup>)** – ENCs are digital files of each chart's features and their attributes for use in computer-based navigation systems. ENCs comply with standards of the International Hydrographic Organization. ENCs and their updates are available for free from NOAA at [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official Raster Navigational Charts (NOAA RNC<sup>™</sup>)** – RNCs are geo-referenced digital pictures of NOAA's charts that are suitable for use in computer-based navigation systems. RNCs comply with standards of the International Hydrographic Organization. RNCs and their updates are available for free from NOAA at [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official BookletCharts<sup>™</sup>** – BookletCharts<sup>™</sup> are reduced scale NOAA charts organized in page-sized pieces. The "Home Edition" can be downloaded from NOAA for free and printed. The Internet address is [www.NauticalCharts.gov/bookletcharts](http://www.NauticalCharts.gov/bookletcharts).

**Official PocketCharts<sup>™</sup>** – PocketCharts<sup>™</sup> are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

**Official U.S. Coast Pilot<sup>®</sup>** – The Coast Pilots are 9 text volumes containing information important to navigators such as channel descriptions, port facilities, anchorages, bridge and cable clearances, currents, prominent features, weather, dangers, and Federal Regulations. They supplement the charts and are available from NOAA chart agents or may be downloaded for free at [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official On-Line Chart Viewer** – All NOAA nautical charts are viewable here on-line using any Internet browser. Each chart is up-to-date with the most recent Notices to Mariners. Use these on-line charts as a ready reference or planning tool. The Internet address is [www.NauticalCharts.gov/viewer](http://www.NauticalCharts.gov/viewer).

**Official Nautical Chart Catalogs** – Large format, regional catalogs are available for free from official chart agents. Page size, state catalogs are posted on the Internet and can be printed at home for free. Go to <http://NauticalCharts.NOAA.gov/mcd/ccatalogs.htm>.

**Internet Sites:** [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov), [www.NOAA.gov](http://www.NOAA.gov), [www.TidesandCurrents.NOAA.gov](http://www.TidesandCurrents.NOAA.gov), [www.NOS.NOAA.gov](http://www.NOS.NOAA.gov).

